



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Signal converters AC Part number 88950108



- Current/voltage conversion of Millenium 3 input signals
- PWM/voltage conversion of Millenium 3 output signals

Part numbers

Type	Description	Inputs	Outputs
88950108 AC	0-20 mA/0-10 V input converter	4	4

Specifications

88950108	88950112
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Environmental characteristics

Certifications	CE	CE
Protection rating	In accordance with IEC/EN 60529 : IP20 terminal block IP50 casing	In accordance with IEC/EN 60529 : IP20
Operating temperature	-20 → +85 °C	-20 → +55 °C
Storage temperature	-40 → +85 °C	-25 → +70 °C

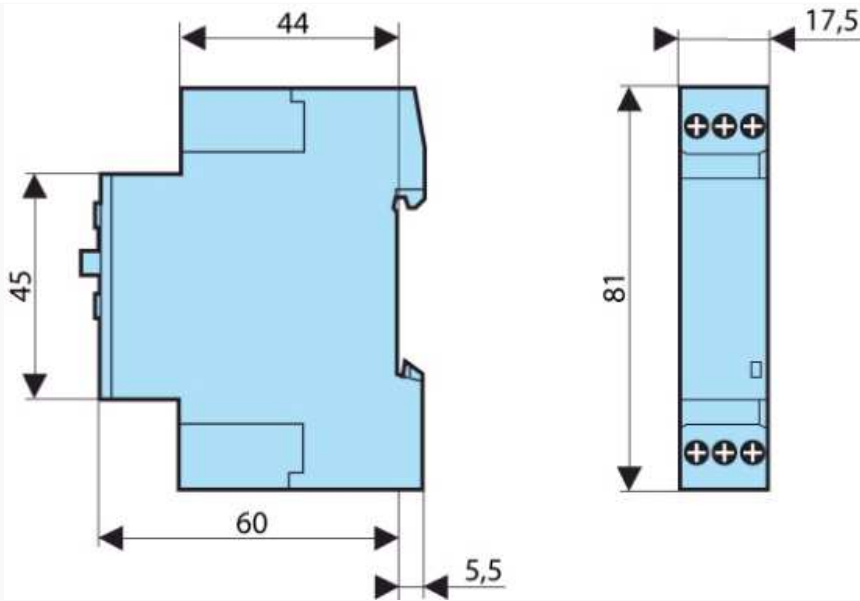
Electrical characteristics

Supply	-	24 V DC (+10 %/-15 %)
Input current	0-20 mA	-
Output voltage	0-10 V ± 5 %	0-10 V ± 5 %
Impedance	500 Ω (input)	250 Ω (maximum load)
Max. current	40 mA	40 mA (output)
Input PWM	-	24 V DC (+20 %/-15 %, 120 Hz max.)
Short-circuit protection	-	Yes
Protection against polarity inversions	-	Yes (>10 s)
Absorbed power	0,8 W	1,3 W
Conversion time	-	440 ms (max) : 0 → 100 % & 100 % → 0

Mechanical characteristics

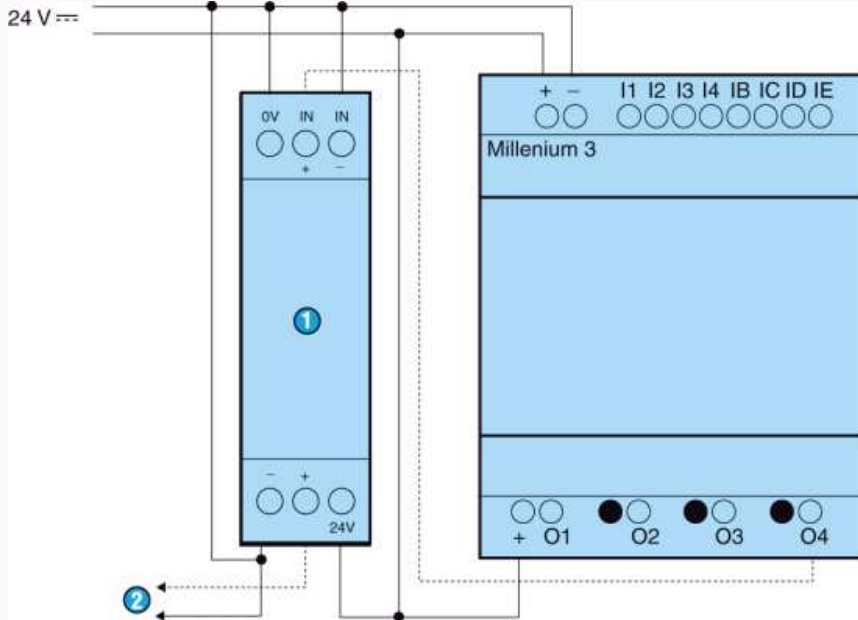
Cable length	-	< 10 m with shielded cable
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Dimensions (mm)



Connections

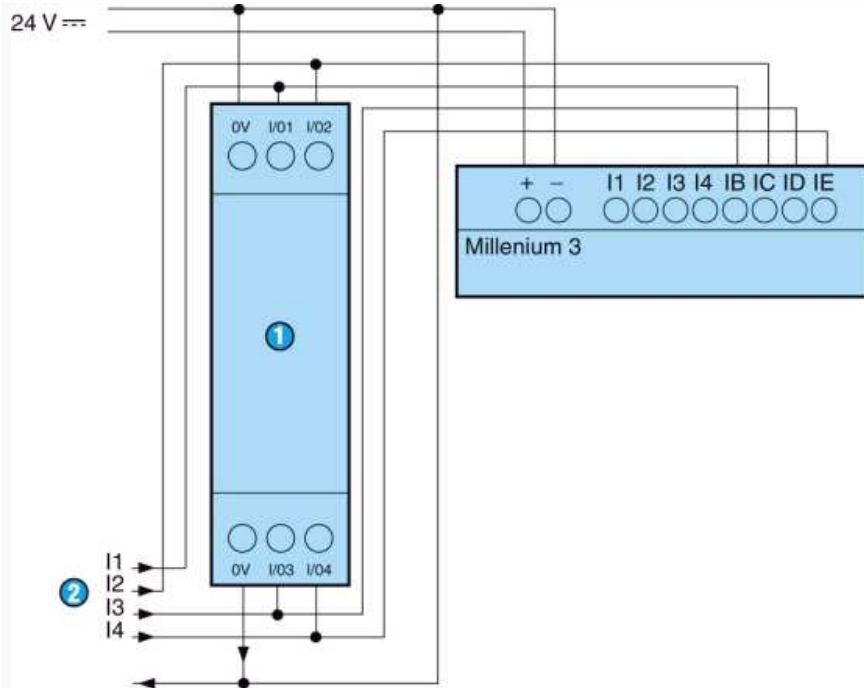
PWM/0-10 V output converter



Legend	
1	Converter PWM 0-10 V
2	Analog output 0-10 V

Connections

0-20 mA/0-10 V input converter



Legend	
1	Converter 0-20 mA
2	Input 0-20 mA